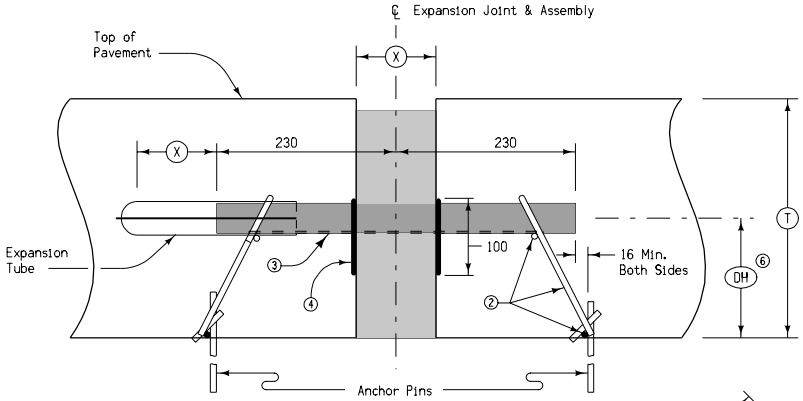
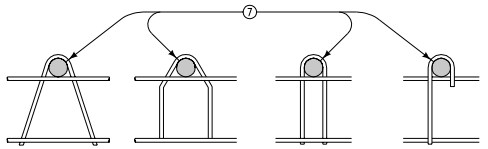


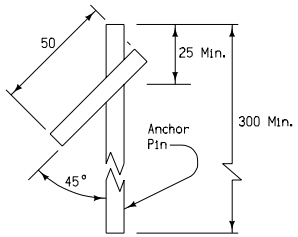
SECTION THRU EXPANSION JOINT

JOINT OPENING AND EXPANSION TUBE EXTENSION		
Joint Type	(X)	Minimum Tube Length
"ED"	25 mm	152 mm
"EE"	50 mm	178 mm
"EF"	100 mm	229 mm

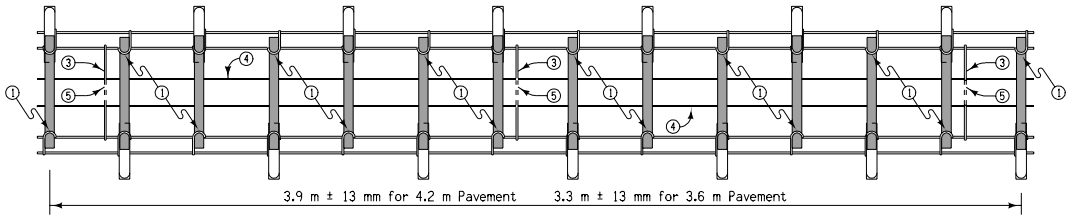
DOWEL HEIGHT AND DIAMETER		
(T)	(DH) ⑥	Diameter (minimum)
180-190 mm	90 mm	19 mm
200-240 mm	110 mm	31 mm
250-290 mm	135 mm	38 mm
300-330 mm	160 mm	38 mm



OPTIONAL LEG ASSEMBLES

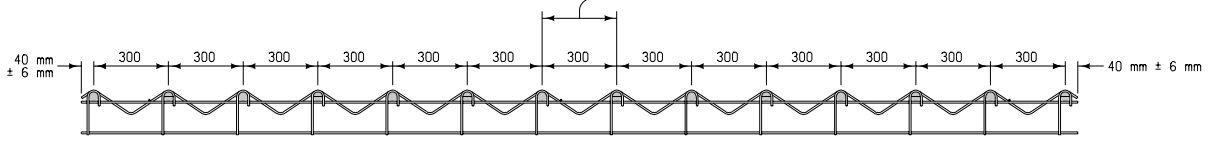


ANCHOR PIN DETAILS ⑧



PLAN VIEW

Spaces between dowel bars are nominal dimensions with a ¼" allowable tolerance.



ELEVATION

Dowel bars shall be 460 mm long with a tolerance of ± 3 mm. The centerline of individual dowels shall be parallel to the other dowels in the assembly within ± 3 mm.

Wire sizes shown are the minimum required, and the wires shall have a minimum tensile strength of 345 MPa.

① Weld alternately thru-out.

② #1/0 gauge (8 mm diameter) wire.

③ (3) #10 gauge (4 mm diameter) wire, tie wire welded or friction fit to top longitudinal wire, both sides.

④ 6 mm dia. wire minimum

⑤ Clip and remove center portion of tie during field assembly.

⑥ Measured from the centerline of dowel bar to bottom of support wire +5 mm.

⑦ Diameter of bend around dowel is dowel diameter +3 mm to 5 mm.

⑧ Anchor pins shall be #1/0 gauge (8 mm diameter) wire and shall prevent movement of assembly during construction.

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | **RH-56**

REVISION: Show minimum diameters in table.

REVISION NO. 7

REVISION DATE 04-19-05

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

FABRICATION DETAILS
EXPANSION JOINT
DOWEL ASSEMBLY